

FIGURE 1

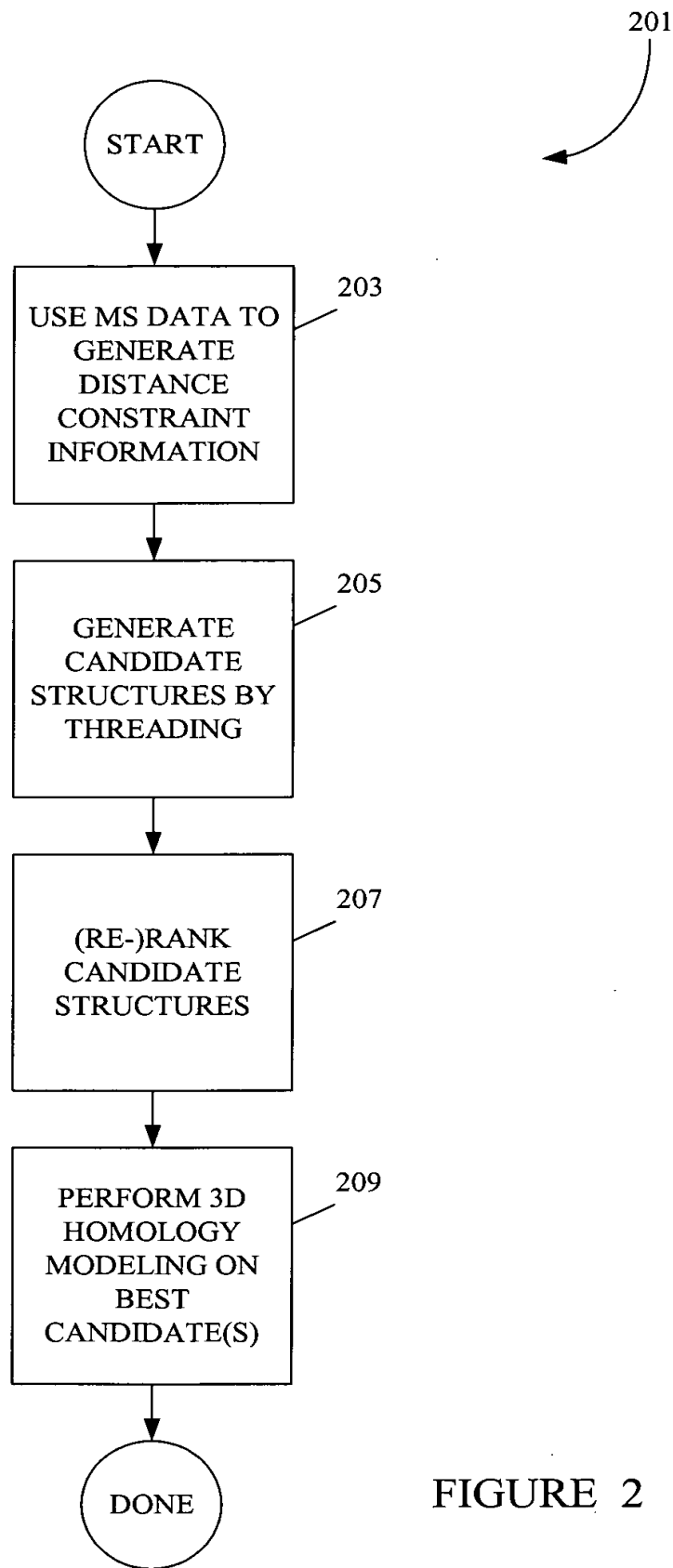
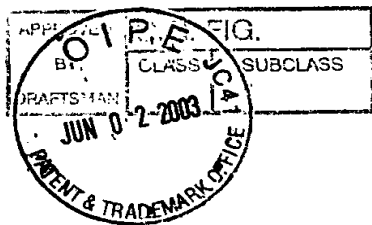


FIGURE 2

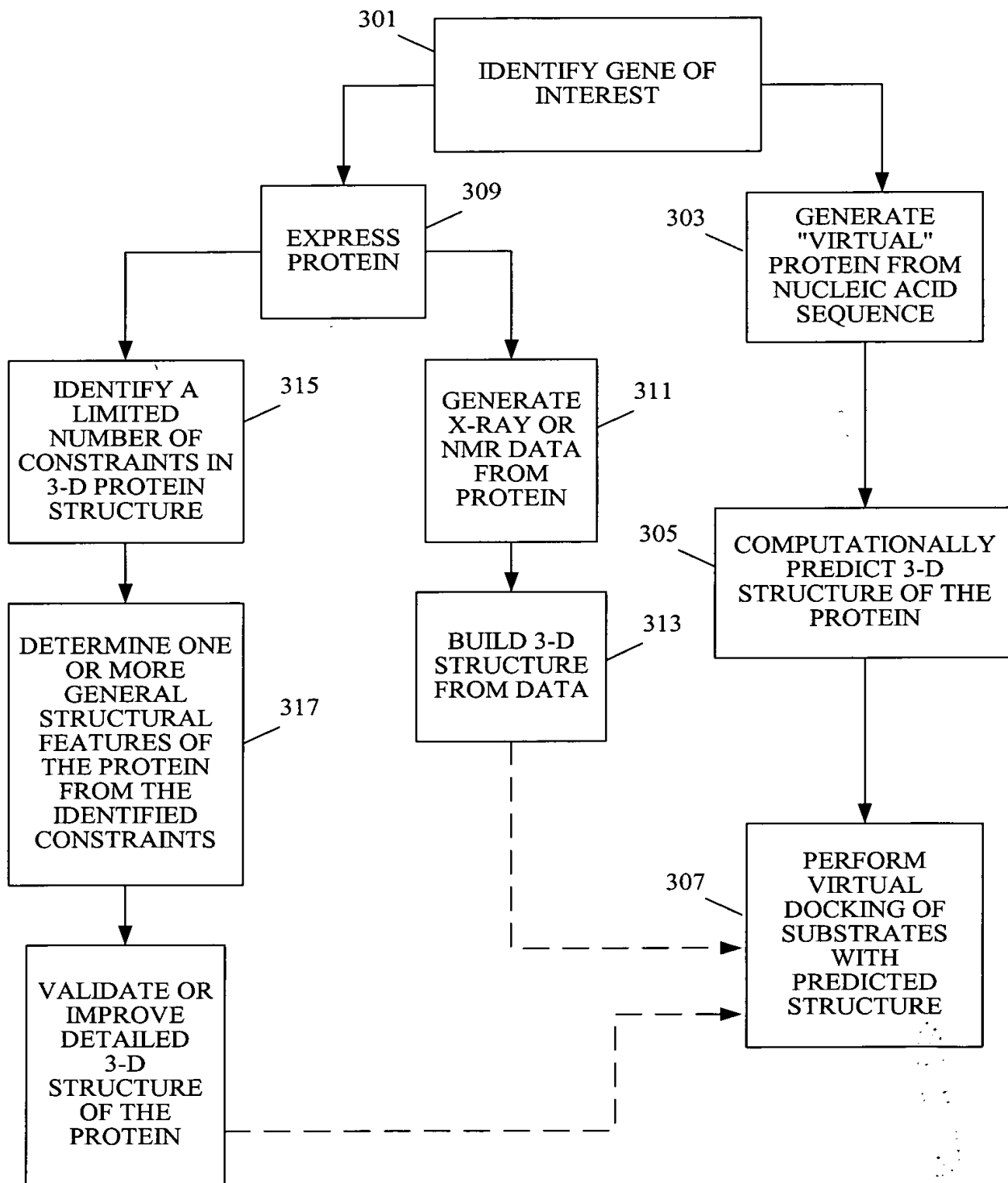
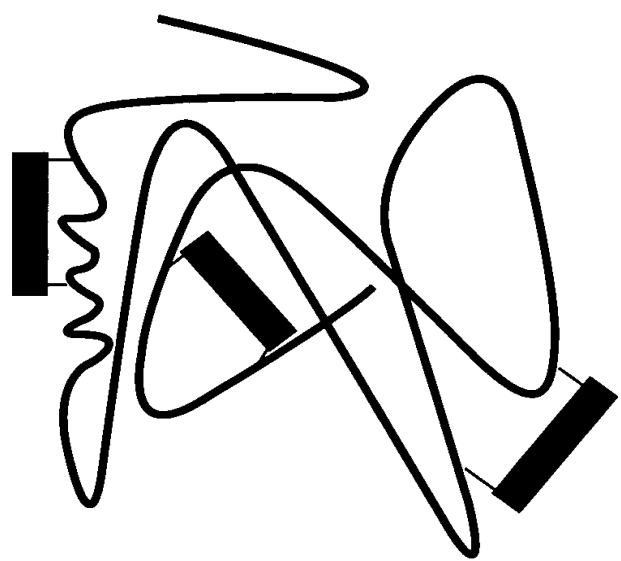


FIGURE 3



Chemical Cross-linking

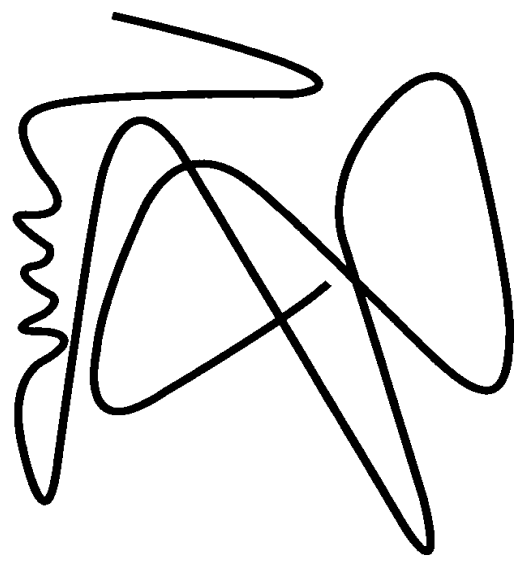
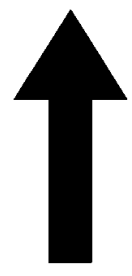
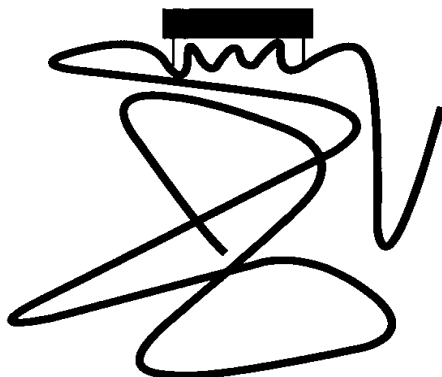
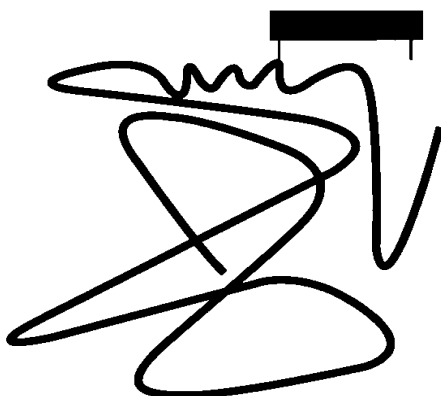


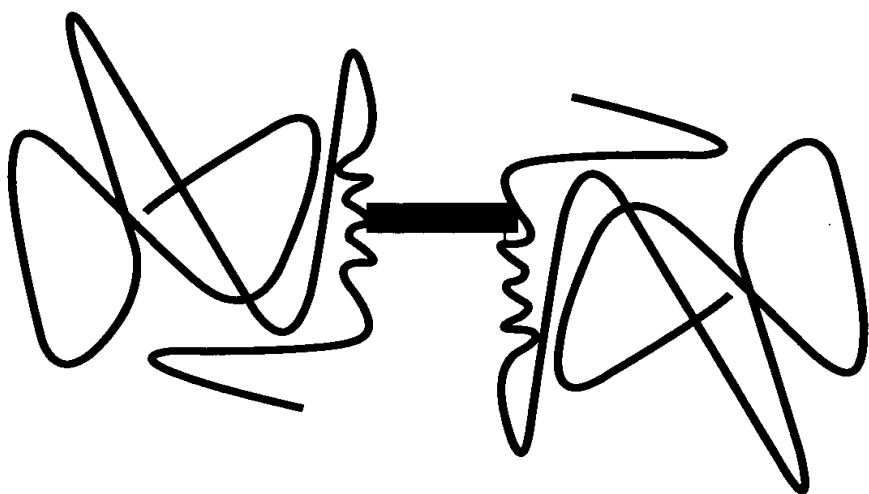
FIGURE 4



Intramolecular  
Crosslink



Single-site (Deadend)  
Crosslink



Intermolecular  
Crosslink

FIGURE 5

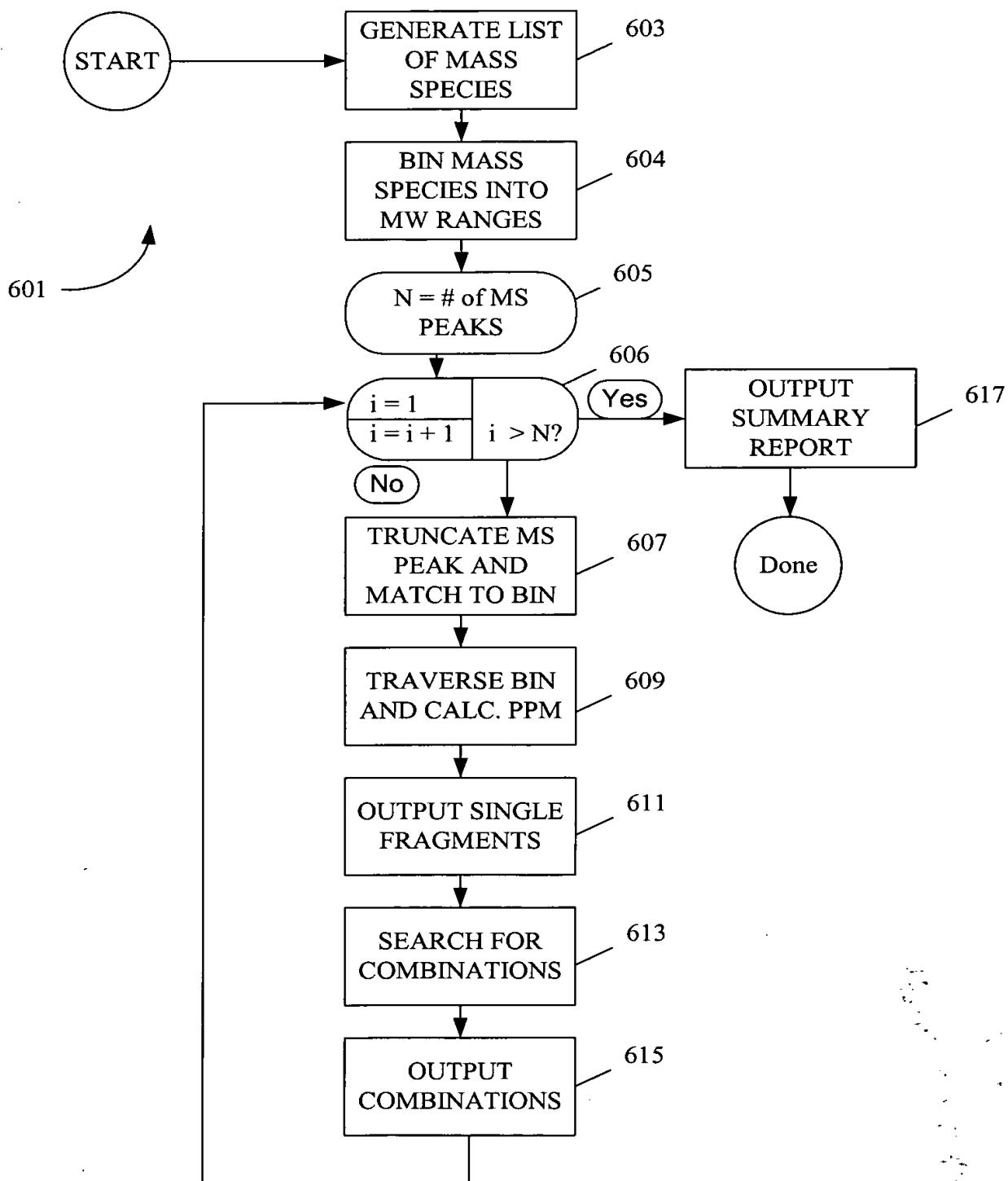


FIGURE 6

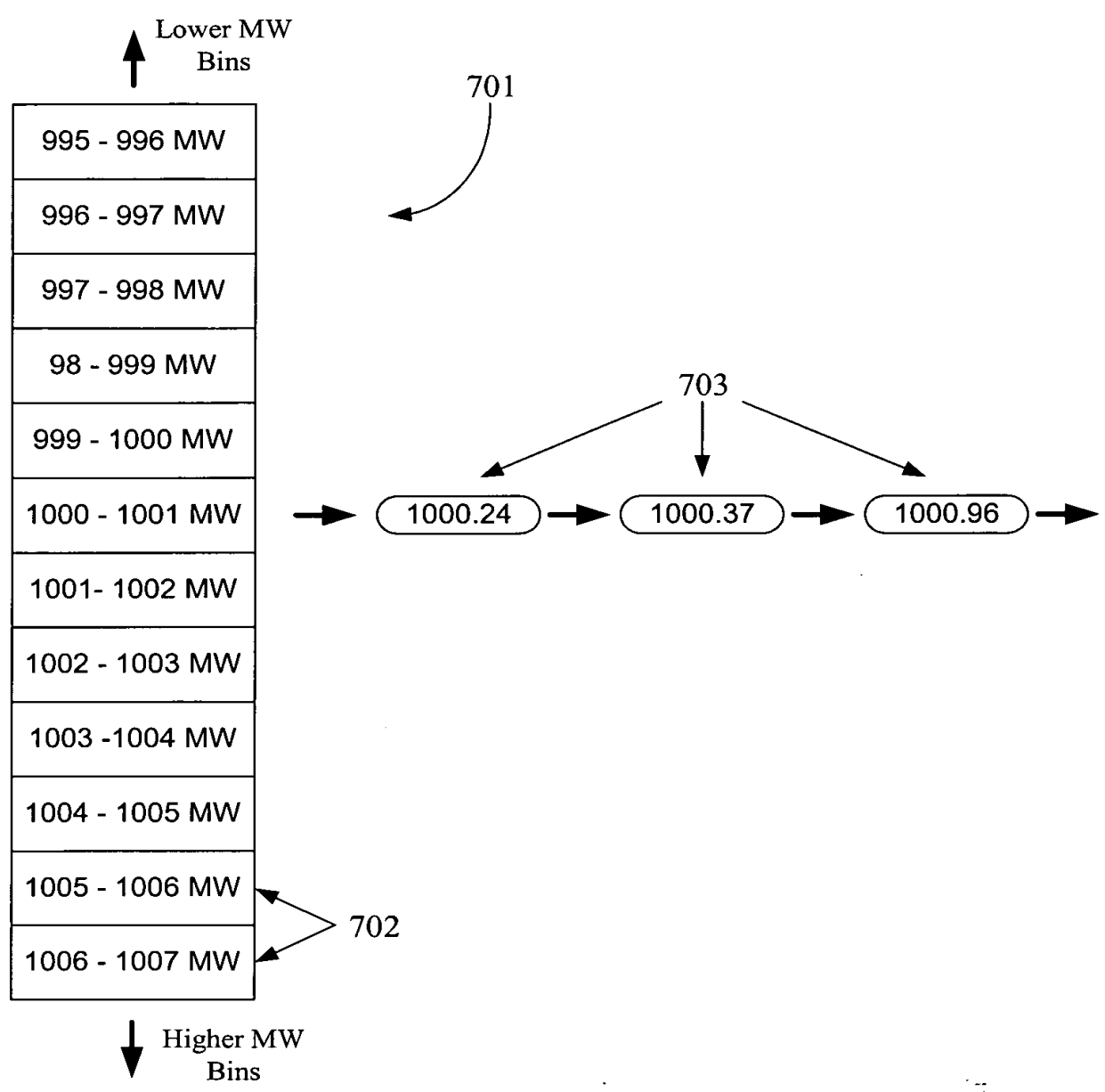
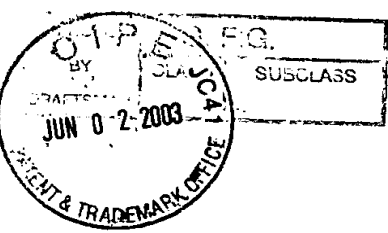
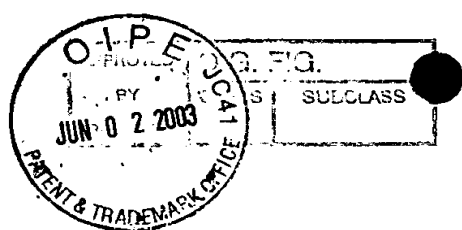


FIGURE 7



## SUMMARY REPORT

### INTRA FRAGMENT ASSIGNMENTS

| Mass    | Assignment | # Peaks | PPM Error | Crosslink |
|---------|------------|---------|-----------|-----------|
| 1000.24 | 1-10       | 3       | 4.3       | 5-8       |
| 1000.37 | 38-50      | 2       | 3.7       | 40-44     |
| 1000.96 | 57-66      | 2       | 4.4       | 55-61     |

### INTER FRAGMENT ASSIGNMENTS

| Mass    | Assignment    | # Peaks | PPM Error | Crosslink |
|---------|---------------|---------|-----------|-----------|
| 1000.02 | 12-16, 68-76  | 3       | 1.9       | 13-68     |
| 1000.87 | 20-27, 81-83  | 3       | 1.7       | 40-44     |
| 1000.89 | 67-72, 95-100 | 2       | 2.6       | 55-61     |

FIGURE 8



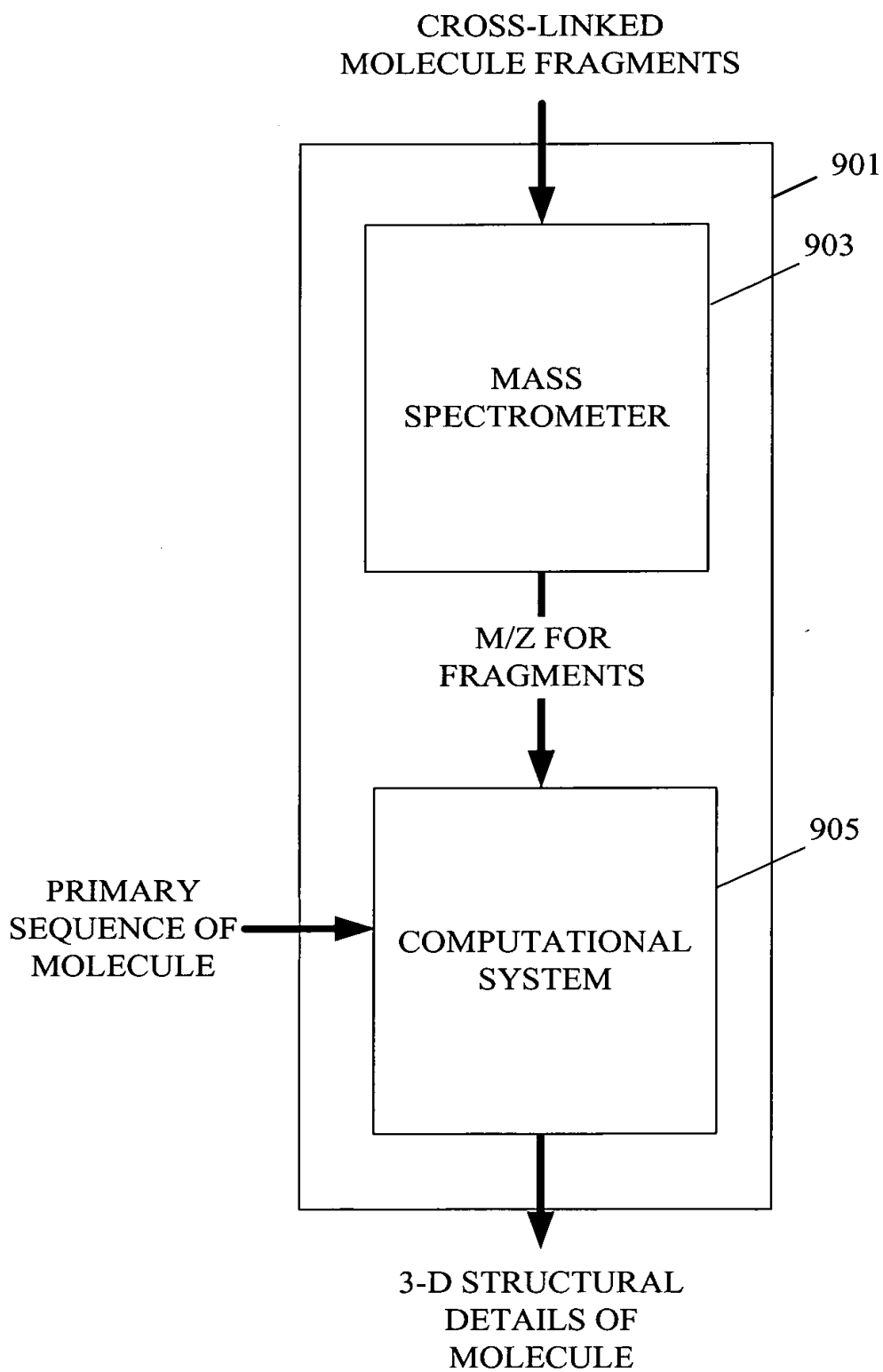
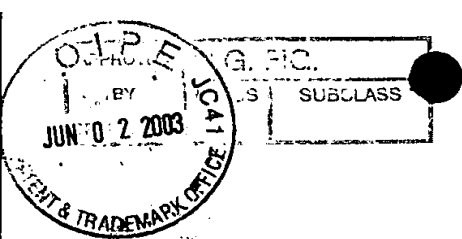
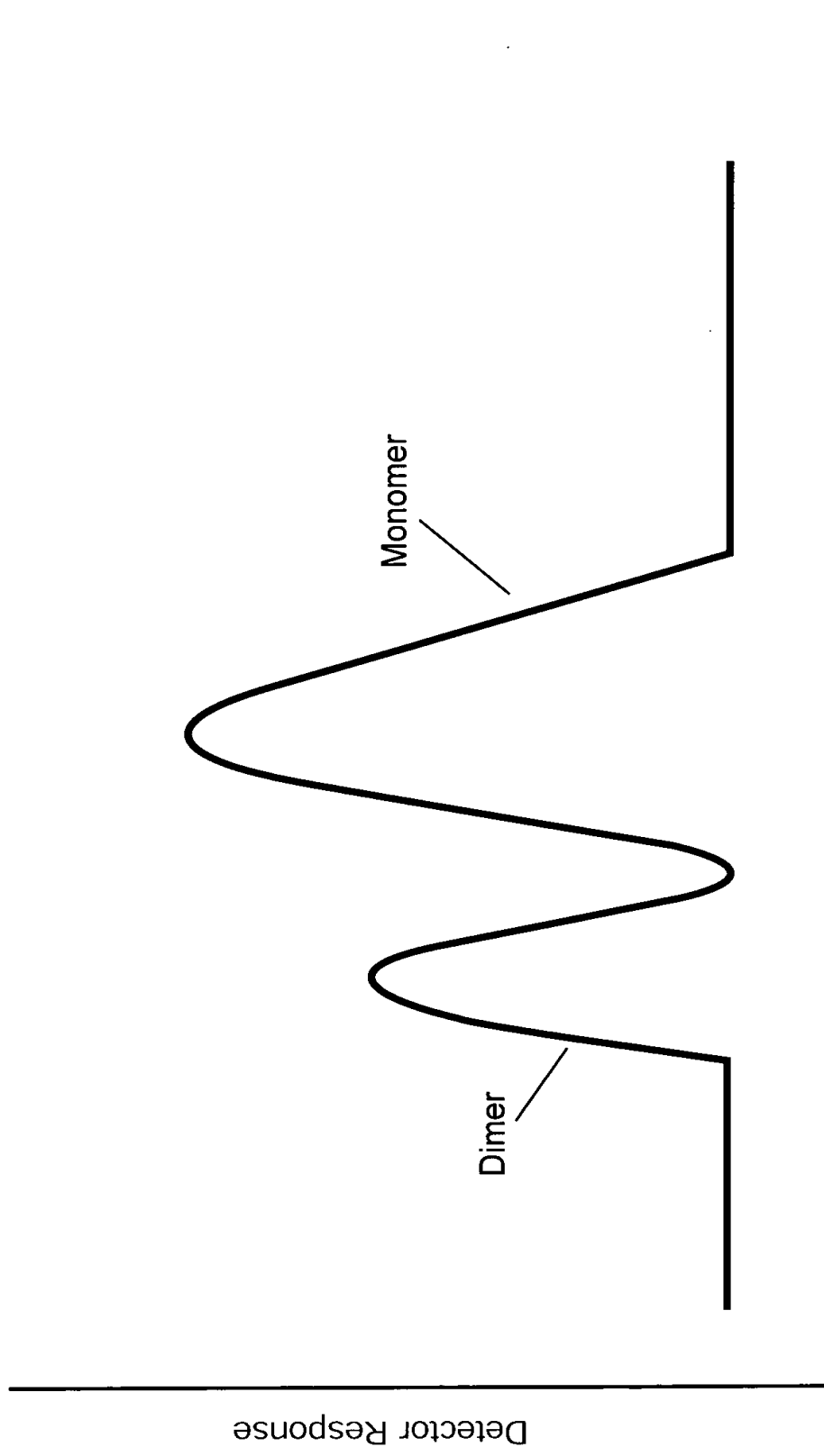


FIGURE 9



Time

FIGURE 10

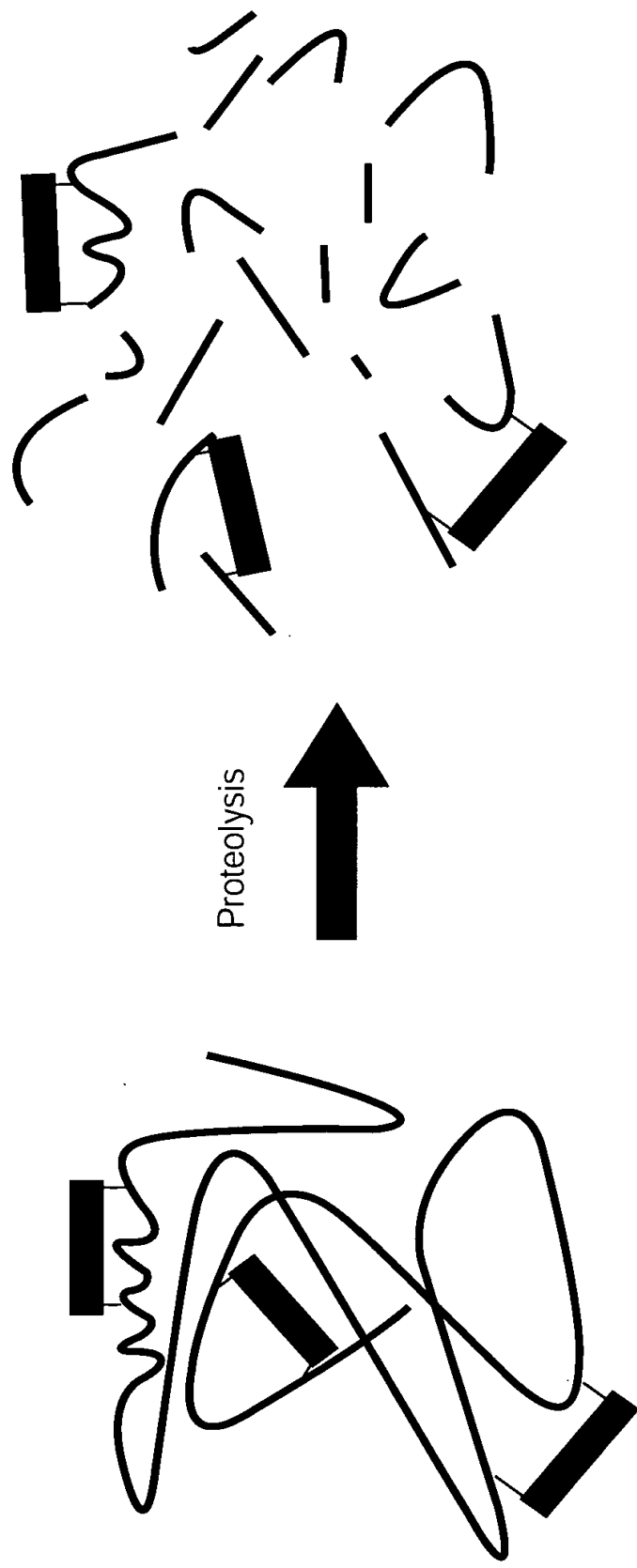


FIGURE 11

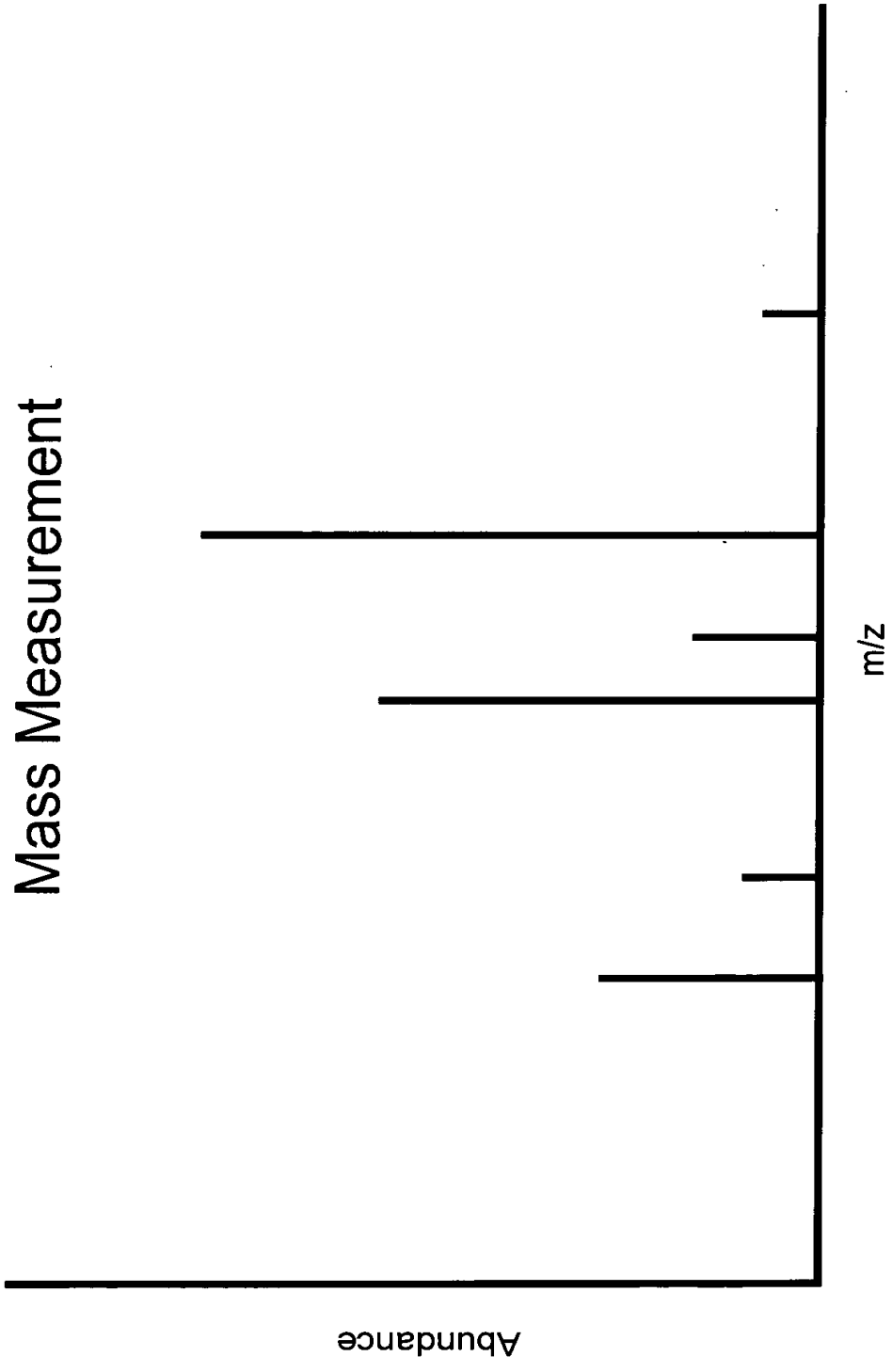


FIGURE 12

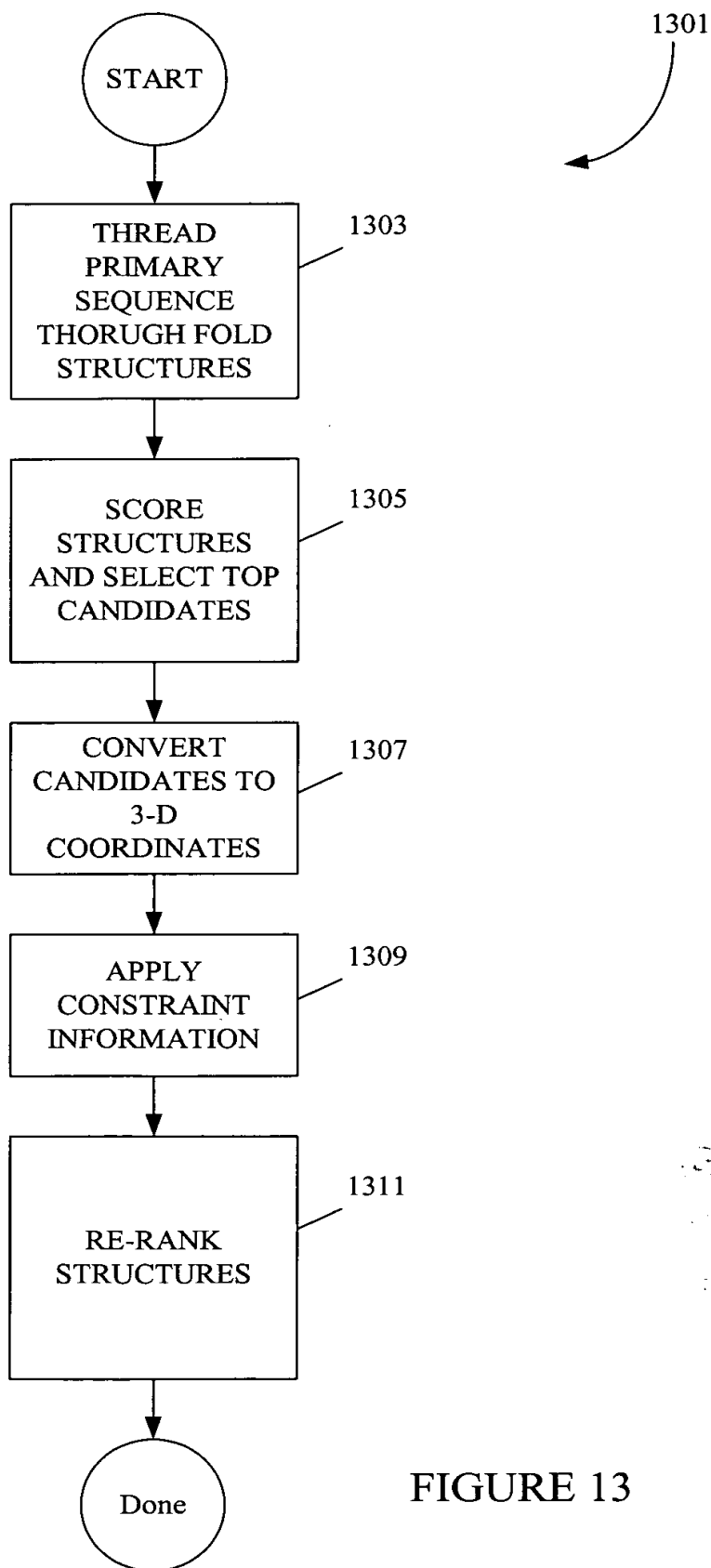


FIGURE 13

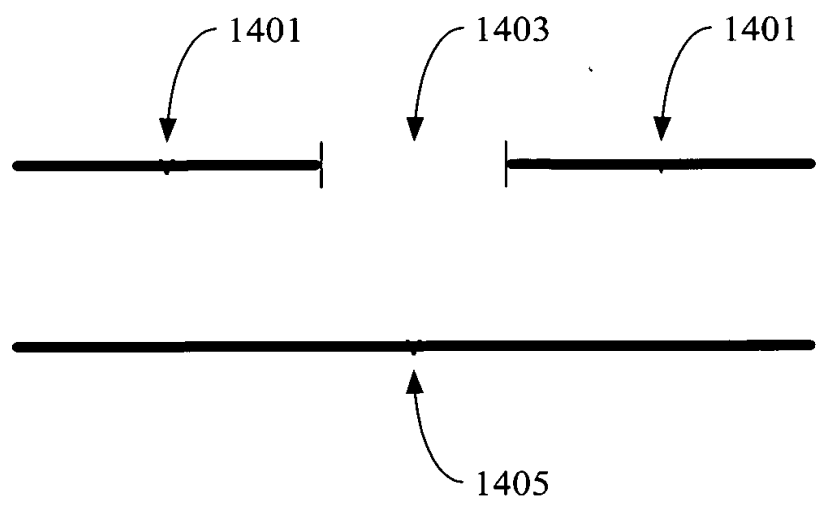


FIGURE 14A

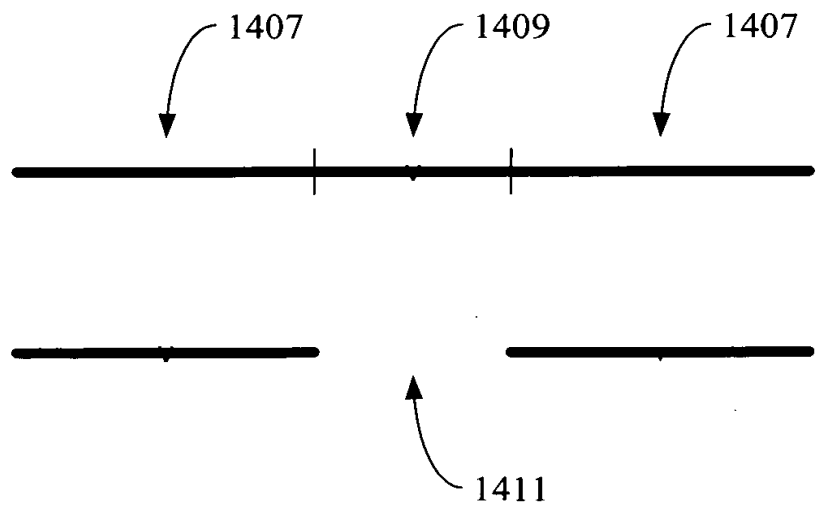
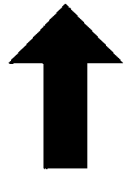


FIGURE 14B

Peptide Sequence  
Information



Distance Constraints



Model Building

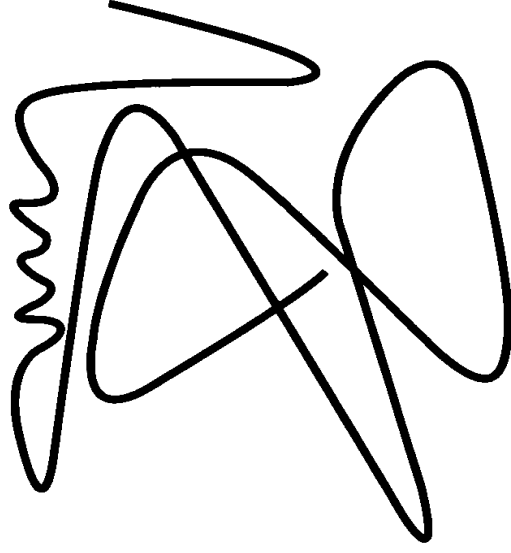
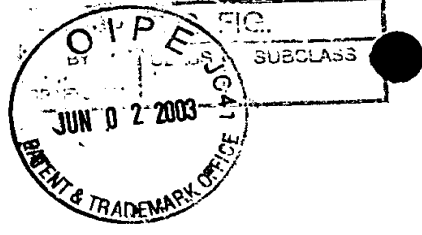


FIGURE 15



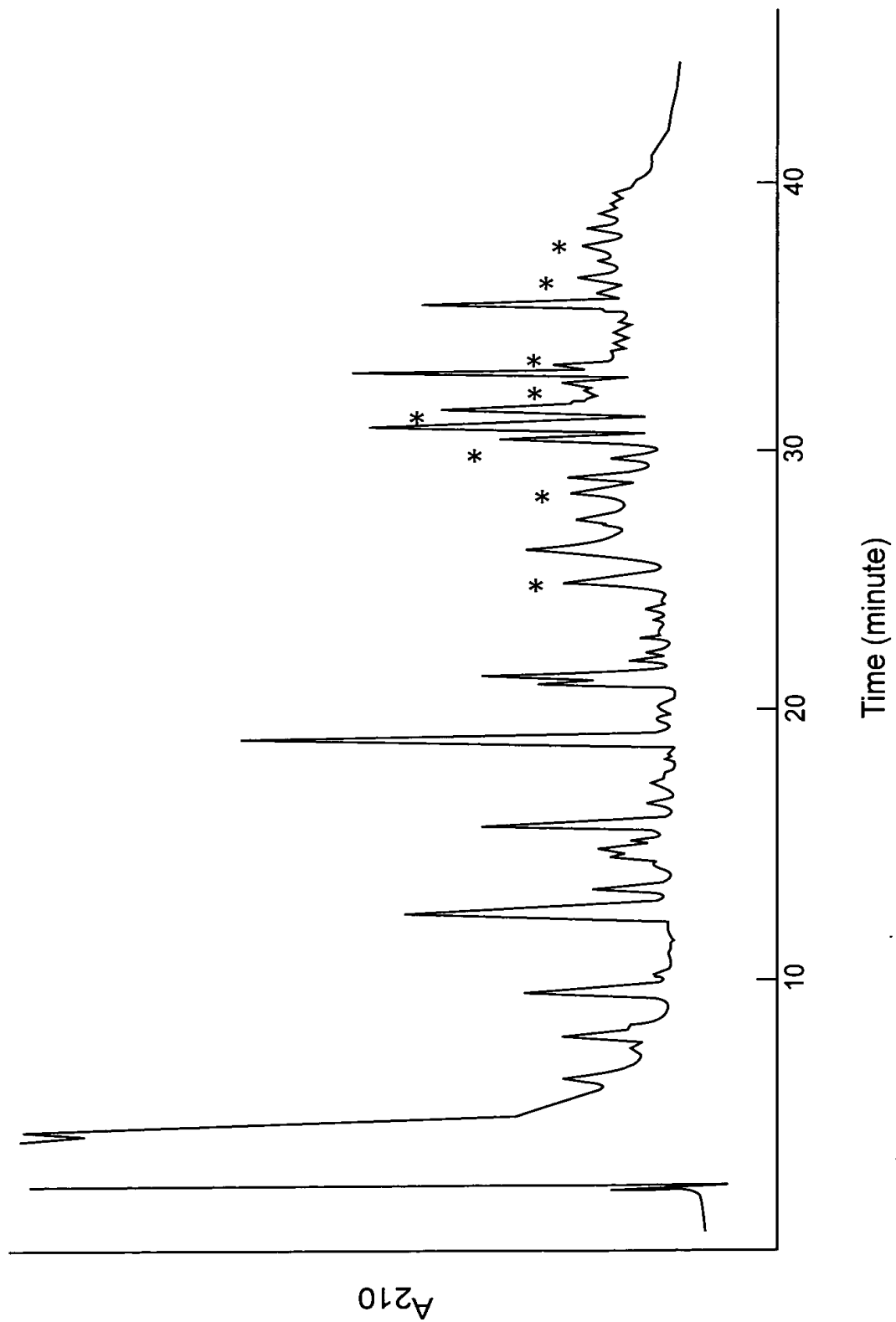


FIGURE 16



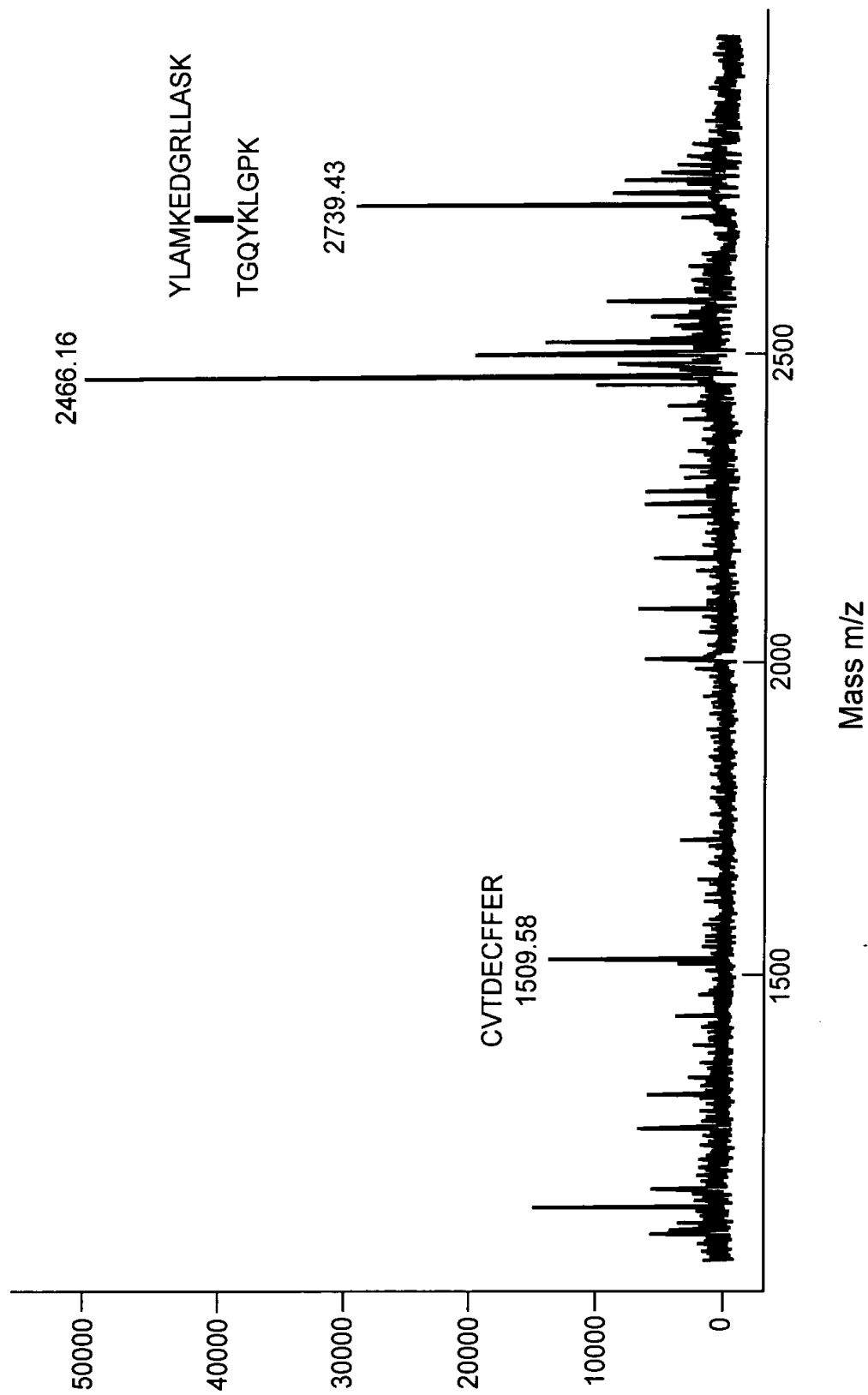
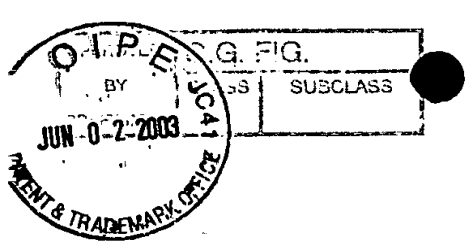


FIGURE 17

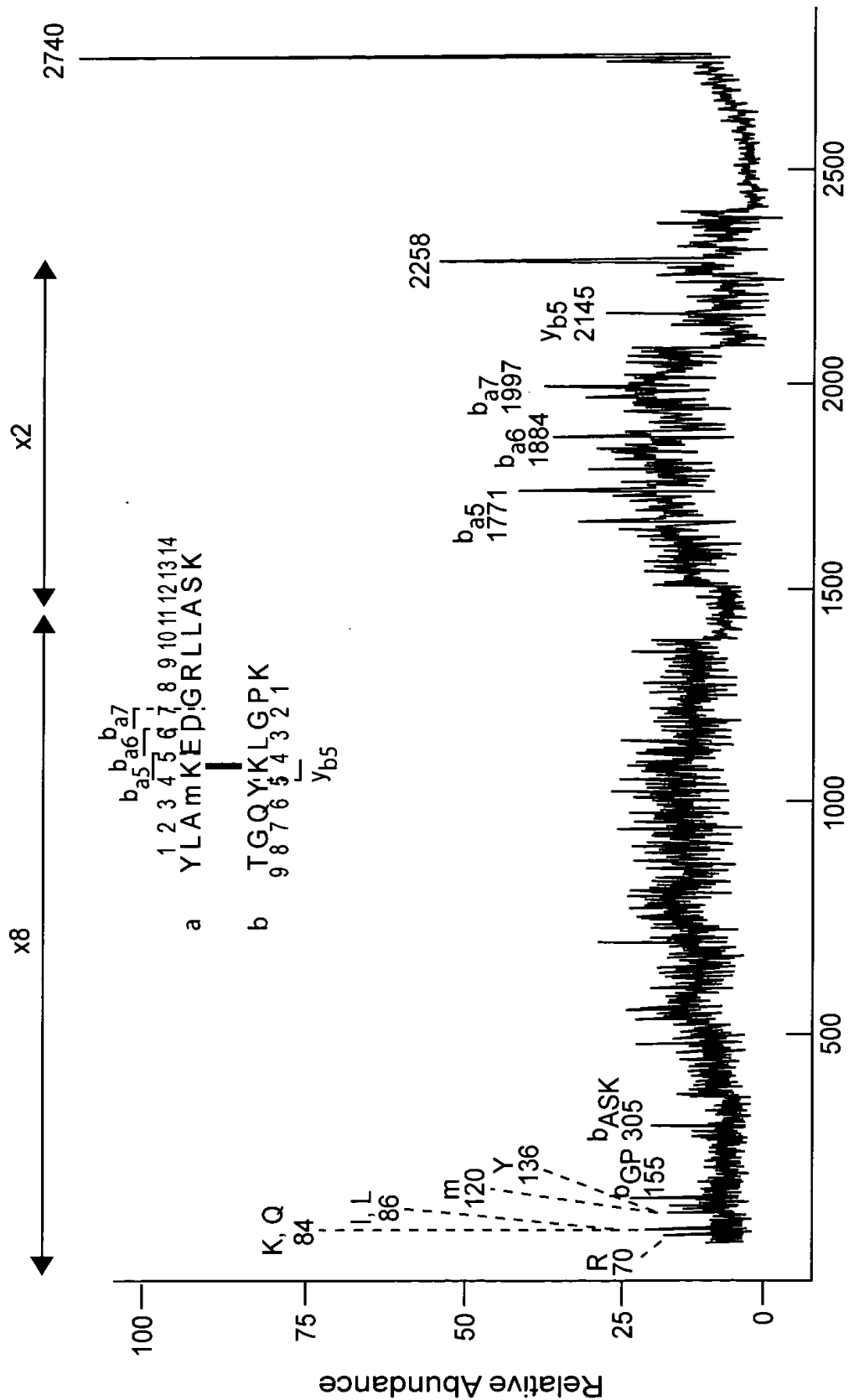


FIGURE 18

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JUN 0-2 2003  
PATENT & TRADEMARK OFFICE

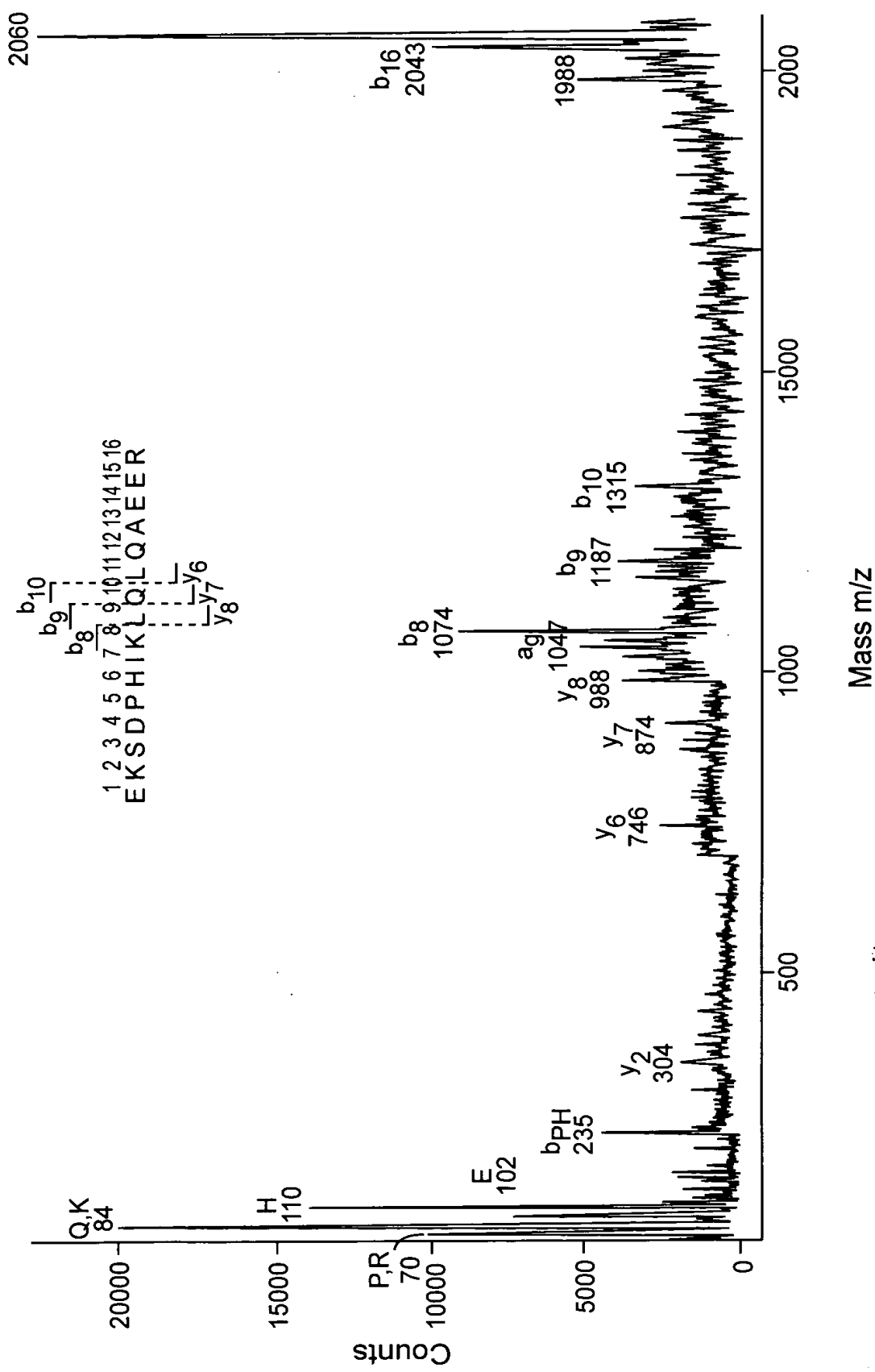
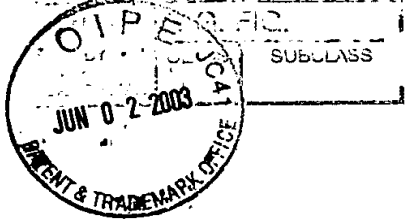


FIGURE 19A

Mass (m/z)

FIGURE 19B



A) IL-1β 1 -----APVRSNLCTLRDSQQKSLMVMSGPYELKALHLQ---GQDMEQQVVFMSFSVQGE  
FGF2 1 PALPEDGGSGAFPPGHFKDPK-RLYCKNGGFFLRIHPDGRVDGVREKSDHIK---LQLQ

IL-1β 61 ESNDKIPVALGKEKNLYLSCVLKDDKPTLQLESVDPKNYPKKMEKRFVFNKIEINNKL  
FGF2 61 AEERGVSIIKGVCANRYL---AMKEDGRLLASK-----CVTDECFFFERLESNNYN

IL-1β 121 EFESAQFPNWWYISTSAENMPVFLGGTKGGQDITDFTMQF--VSS  
FGF2 121 TYRSRKYSSWYVALKRTGY---KLGPKTGPQGKAILFLPMSAKS

B) IL-1β 1 APVRSNLCTLRDS--QQKSLMVMSGPYELKALHLQGQDMEQQ- VVFMSFSVQGEESNDKIPV  
FGF2 1 -----PKRLYCKNGGFFLRIHPDGRVDVRE----KSDPHIKLQLQAE----- RGVV

IL-1β 61 ALGKEKNLYLSCVLKDDKPTLQLESVDPKNYPKKMEKRFVFNKIEI-NNKELFESAQF  
FGF2 61 SIKGVCANRYLAMKE---DGRLLASKC-----VTDECFFFERLESNNYNTYRSRKY

IL-1β 121 PNWWYISTSAENMPVFLG--GTKGGQDITDFTMQFVSS  
FGF2 121 SSWYVALKRT--GQYKLGPKTGPQ-QKAILFLPMSAKS

FIGURE 20

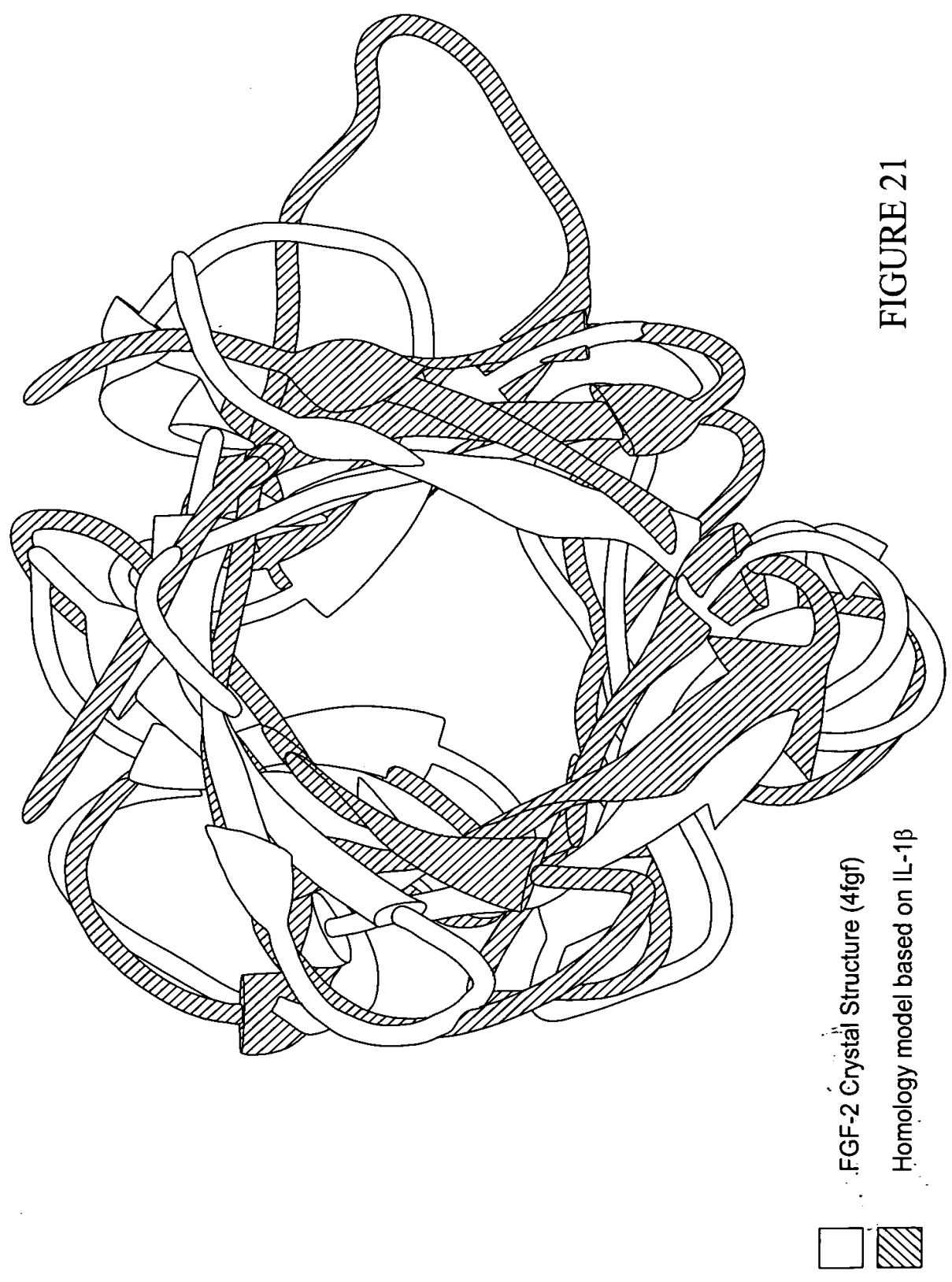


FIGURE 21

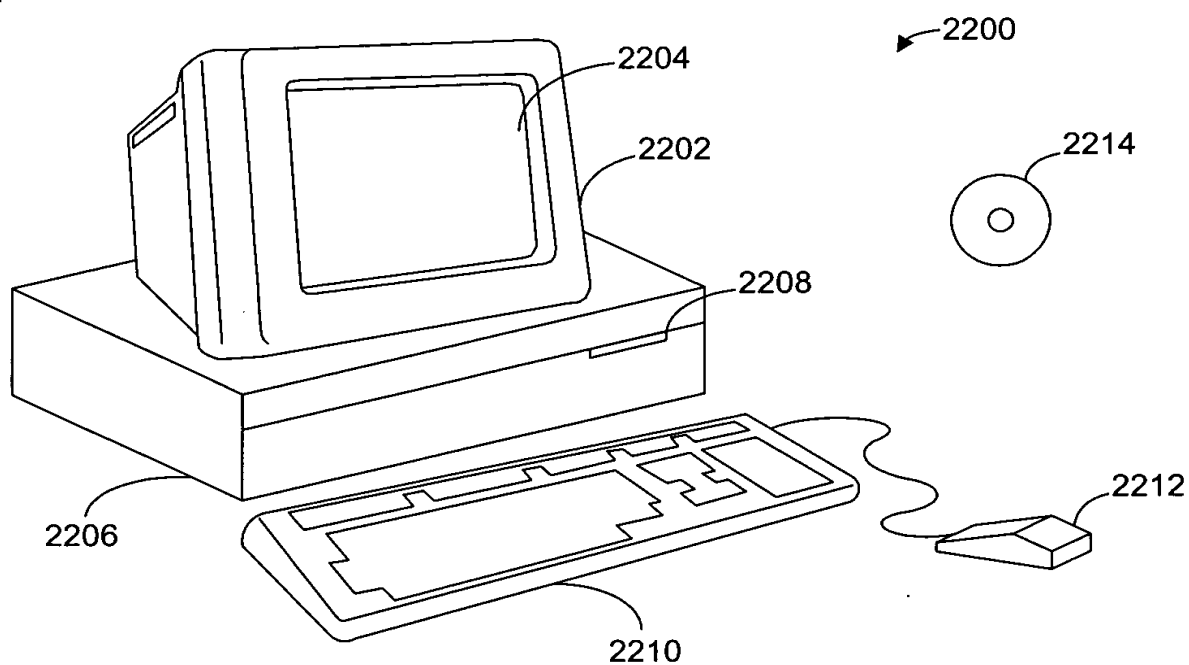


FIGURE 22A

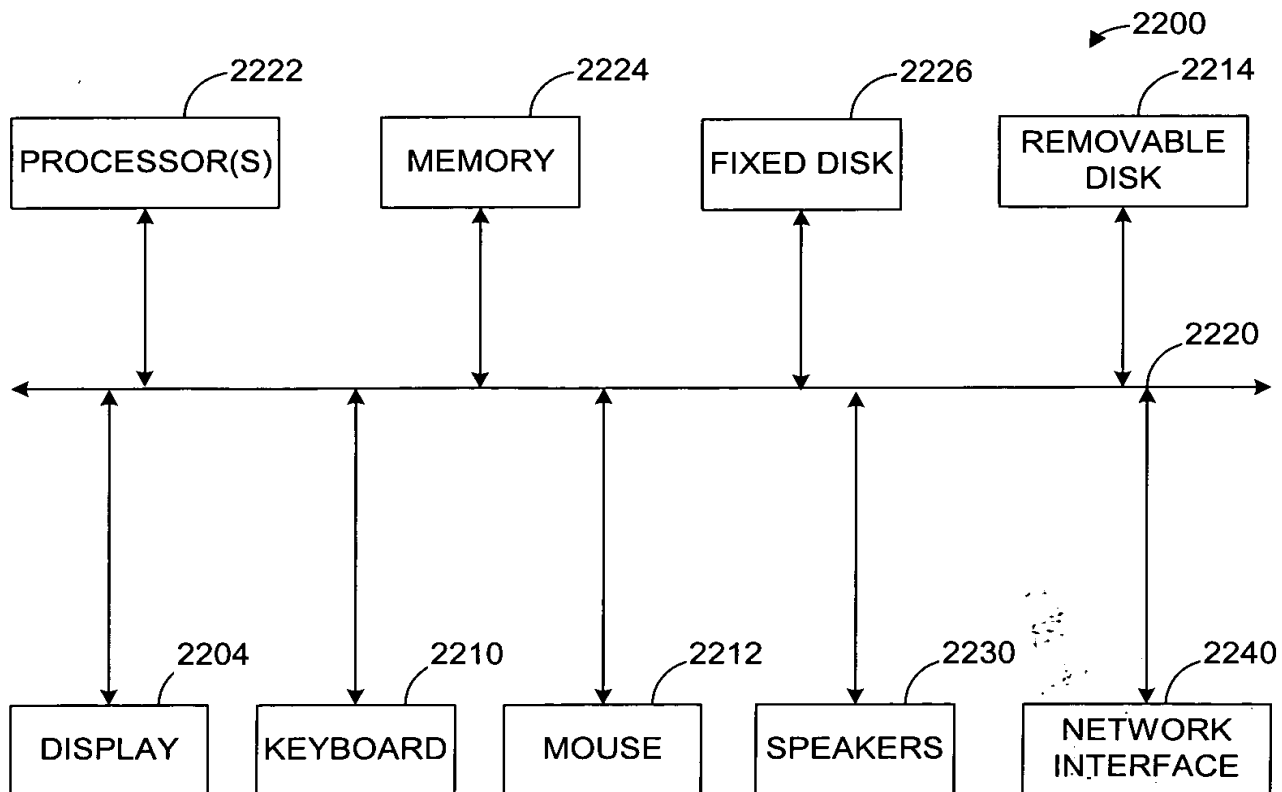


FIGURE 22B

**Attachment for PTO-948 (Rev. 03/01, or earlier)**  
**6/18/01**

**The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.**

**INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

**1. Correction of Informalities -- 37 CFR 1.85**

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

**2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.**

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

**Timing of Corrections**

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.